



10/699,393

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Patent No.: 7,223,583 B2

Attorney Docket No. 14507-47022

Issued Date: May 29, 2007

Inventor(s): Andras Gruber, Stephen R. Hanson, and Enrico De Cera

Title: Antithrombotic Thrombin Variants

CERTIFICATE UNDER 37 CFR 1.8:

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail, with sufficient postage, in an envelope addressed to: Mail Stop PETITIONS, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on June 14, 2007.

By: 

Name: Tim Tingkang Xia

REQUEST FOR A CERTIFICATE OF CORRECTION UNDER 37 C.F.R. §1.323

Mail Stop: PETITIONS
Commissioner for Patents
P.O. Box 1450,
Alexandria, VA 22313-1450

June 14, 2007

CUSTOMER NO. 24728

Dear Sir:

Submitted herewith are a "Request to Correct the Assignee Information on an Issued Patent under the provisions of 37 C.F.R. § 3.81(b)" and a "Request for a Certificate of Correction under 37 C.F.R. §1.323" for correction of U.S. Patent No. 7,223,583 B2 issued to Andras Gruber, Stephen R. Hanson, and Enrico De Cera (the "Patentee").

Please correct the above-identified patent as below:

Correction to Assignee under 37 CFR § 3.81(b) begins on page 2 of this paper.

Remarks begin on page 3 of this paper.

06/19/2007 HVUONG1 00000007 7223583

01 FC:1811
02 FC:1464

100.00 OP
130.00 OP

PATENT NO.: 7,223,583 B2
ISSUED: May 29, 2007
INVENTOR(S): Andras Gruber, Stephen R. Hanson, and Enrico De Cera

Correction to Assignee under 37 CFR § 3.81(b)

On the cover page of the patent, please replace item (73) Assignee, as follows:

Assignee: ~~Emory University, Atlanta, GA (US)~~
Emory University, Atlanta, GA (US) and Washington University,
St. Louis, MO (US)

PATENT NO.: 7,223,583 B2
ISSUED: May 29, 2007
INVENTOR(S): Andras Gruber, Stephen R. Hanson, and Enrico De Cera

REMARKS

The patent was issued on May 29, 2007, where there was a mistake of a clerical or typographical nature in the listing of the Assignee.

By this correction, as set forth above, such mistakes have been corrected in good faith. The Patentee asserts that no new matter is added.

Pursuant to 37 C.F.R. §1.323, the Patentee asserts that "such mistakes occurred in good faith, and the requested correction does not involve such changes in the patent as would constitute new matter or would require reexamination."


It is therefore respectfully requested that a corresponding certificate of correction under 37 C.F.R. §1.323 for correction of clerical errors in the patent be issued accordingly. A proposed Certificate of Correction is attached hereto. The Patentee requests this Request be forwarded to the Certificates of Correction Branch for issuance of a Certificate of Correction upon granting of the Request.

The patent was assigned to Emory University and Washington University, which was submitted to the Office for recordation as set forth in 37 CFR 3.11 non May 10, 2004, **before** issuance of the patent, and was recorded at Reel/Frame: 015305/0266 and 015305/0258, respectively.

A Credit Card Authorization Form for the processing fee set forth in 37 CFR 1.117(h), which is currently \$130.00 and the certificate of correction fee set forth in 37 CFR 1.20(a), which is currently \$100.00, is attached herein along with an Authorization to Charge any fee deficiencies and/or credit any overpayments to Deposit Account No. 50-3537.

Respectfully submitted,
MORRIS, MANNING & MARTIN, LLP

June 14, 2007



Tim Tingkang Xia
Reg. No. 45,242
Attorney for Assignee Vanderbilt University

MORRIS, MANNING & MARTIN, LLP
1600 Atlanta Financial Center
3343 Peachtree Road, N.E.
Atlanta, Georgia 30326-1044
Phone: 404-233-7000
Direct: 404-495-3678
Customer No. 24728

**UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION**

PATENT NO.: 7,223,583 B2
APPLICATION NO.: 10/699,393
ISSUED DATE: May 29, 2007
INVENTOR(S): Andras Gruber, Stephen R. Hanson, and Enrico De Cera

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Correction to Assignee under 37 CFR § 3.81(b)

On the cover page of the patent, please replace item (73) Assignee, as follows:

Assignee: ~~Emory University, Atlanta, GA (US)~~
Emory University, Atlanta, GA (US) and Washington University,
St. Louis, MO (US)

MAILING ADDRESS OF SENDER:

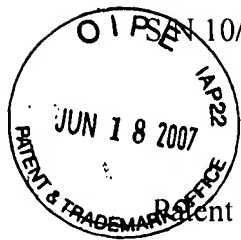
PATENT NO. 7,223,583 B2

No. of additional copies

Tim Tingkang Xia
MORRIS, MANNING & MARTIN, LLP
1600 Atlanta Financial Center
3343 Peachtree Road, N.E.
Atlanta, Georgia 30326-1044



This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: **Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**
If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2



10/699,393

PATENT
Confirmation No. 3913

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Patent No.: 7,223,583 B2

Attorney: 14507-47022

Issued Date: May 29, 2007

Inventor(s): Andras Gruber, Stephen R. Hanson, and Enrico De Cera

Title: Antithrombotic Thrombin Variants

CERTIFICATE UNDER 37 CFR 1.8:

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By: 

Name: Tim Tingkang Xia

AUTHORIZATION TO CHARGE DEPOSIT ACCOUNT

Mail Stop: Missing Parts
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

June 14, 2007

CUSTOMER NO. 24728

Dear Sir:


Please charge any additional fees or credit overpayments to **Deposit Account**

No. 50-3537.

Respectfully submitted,

MORRIS, MANNING & MARTIN, LLP

June 14, 2007


Tim Tingkang Xia, Esq.

Reg. No. 45,242

Attorney for Assignee on the Record

TTX

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1600 Atlanta Financial Center
3343 Peachtree Road, N.E.
Atlanta, Georgia 30326-1044
Phone: 404-233-7000
Direct: 404-495-3678
Customer No. 24728



ED56 10711

UNITED STATES PATENT AND TRADEMARK OFFICE

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

OCTOBER 29, 2004

PTAS

WOMBLE CARLYLE SANDRIDGE & RICE
DAVID J. HAYZER, PH.D. J.D.
P.O. BOX 7037
1201 WEST PEACHTREE STREET, SUITE 3500
ATLANTA, GA 30309



102744816A

UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 05/10/2004

REEL/FRAME: 015305/0266
NUMBER OF PAGES: 5

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

GRUBER, ANDRAS

DOC DATE: 03/16/2004

ASSIGNOR:

HANSON, STEPHEN R.

DOC DATE: 03/16/2004

ASSIGNEE:

EMORY UNIVERSITY
1784 NORTH DECATUR BLDG.
SUITE 130
ATLANTA, GEORGIA 30322

SERIAL NUMBER: 10699393

PATENT NUMBER:

TITLE: ANTITHROMBOTIC THROMBIN VARIANTS

FILING DATE: 10/31/2003
ISSUE DATE:

DOCKETED
11/8/2004
SK1

RECEIVED

NOV 05 2004

015305/0266 PAGE 2

VIOLET MCCOY, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS



05-12-2004



102744816

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

COVER SHEET

Y

<p>1. Name of conveying party(ies):</p> <p>GRUBER, Andras <i>S. 10.04</i> HANSON, Stephen R.</p> <p>Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	<p>2. Name and address of receiving party(ies)</p> <p>Name: EMORY UNIVERSITY</p> <p>Street Address: <u>1784 North Decatur Road,</u> <u>North Decatur Bldg., Suite 130</u></p> <p>City: <u>Atlanta</u> State: <u>GA</u></p> <p>Zip: <u>30322</u></p> <p>Country: <u>United States</u></p> <p>Additional name & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>		
<p>3. Nature of conveyance:</p> <p><input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger</p> <p><input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name</p> <p><input type="checkbox"/> Other</p> <p>Execution Date: <u>March 16, 2004</u></p>			
<p>4. Application number(s) or patent number(s): 10/699,393</p> <p>Entitled: "ANTI-THROMBOTIC THROMBIN VARIANTS"</p> <table border="1"> <tr> <td data-bbox="100 924 876 1165"> <p>A. Patent Application No.(s)</p> <p><u>10/699,393</u></p> </td> <td data-bbox="876 924 1559 1165"> <p>B. Patent No.(s)</p> <p><u>N/A</u></p> </td> </tr> </table> <p>Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>		<p>A. Patent Application No.(s)</p> <p><u>10/699,393</u></p>	<p>B. Patent No.(s)</p> <p><u>N/A</u></p>
<p>A. Patent Application No.(s)</p> <p><u>10/699,393</u></p>	<p>B. Patent No.(s)</p> <p><u>N/A</u></p>		
<p>5. Name and address of party to whom correspondence concerning document should be mailed:</p> <p>Name: David J. Hayzer, Ph.D., J.D.</p> <p>Womble Carlyle Sandridge & Rice</p> <p>Internal Address: <u>P.O. Box 7037</u> <u>Atlanta, Georgia 30357-0037</u></p> <p>Street Address: <u>1201 West Peachtree Street</u> <u>Suite 3500</u></p> <p>City: <u>Atlanta</u>, State: <u>GA</u> Zip: <u>30309</u></p>	<p>6. Total number of applications and patents involved: <u>1</u></p> <p>7. Total fee (37 CFR 3.41).....<u>\$40.00</u></p> <p><input checked="" type="checkbox"/> Enclosed</p> <p><input type="checkbox"/> Authorized to be charged to deposit account</p> <p>8. Please debit any deficiencies or credit any overpayments to</p> <p>Deposit account number <u>09-0528</u> (Attach duplicate copy of this page if paying by deposit account)</p>		
<p align="center">DO NOT USE THIS SPACE</p>			
<p>9. Statement and signature.</p> <p><i>To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.</i></p> <p>David J. Hayzer, Ph.D., J.D. <u><i>DJ Hayzer</i></u> <u><i>5/3/2004</i></u> Reg. #43,329 Signature Date</p> <p>Total number of pages including cover sheet, attachments, and document: <u>- 5 -</u></p>			



E0501071.1

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UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

OCTOBER 29, 2004

PTAS

WOMBLE CARLYLE SANDRIDGE & RICE
DAVID J. HAYZER, PH.D., J.D.
1201 WEST PEACHTREE STREET, STE. 3500
PO BOX 7037
ATLANTA, GA 30309



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RECORDATION DATE: 05/10/2004

REEL/FRAME: 015305/0258
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:
DI CERA, ENRICO

DOC DATE: 04/22/2004

ASSIGNEE:
WASHINGTON UNIVERSITY
660 SOUTH EUCLID AVENUE,
BOX 8231
ST. LOUIS, MISSOURI 63101

SERIAL NUMBER: 10699393
PATENT NUMBER:
TITLE: ANTITHROMBOTIC THROMBIN VARIANTS

FILING DATE: 10/31/2003
ISSUE DATE:

DOCKETED
11/8/2004
SRT

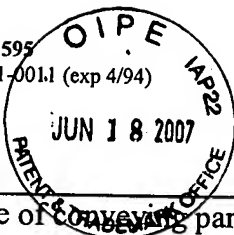
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015305/0258 PAGE 2

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ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS



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05-12-2004



SHEET

102744817

1. Name of conveying party(ies).

Di CERA, Enrico

S.10.04

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other

Execution Date: April 22, 2004

2. Name and address of receiving party(ies)

Name: WASHINGTON UNIVERSITY

Street Address: 660 South Euclid Avenue,

Box 8231

City: St. Louis State: MO

Zip: 63101

Country: United States

Additional name & address(es) attached? ☐ Yes ☒ No

4. Application number(s) or patent number(s): 10/699,393

Entitled: "ANTI-THROMBOTIC THROMBIN VARIANTS"

A. Patent Application No.(s)

10/699,393

B. Patent No.(s)

N/A

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: David J. Hayzer, Ph.D., J.D.

Womble Carlyle Sandridge & Rice

Internal Address: P.O. Box 7037

Atlanta, Georgia 30357-0037

Street Address: 1201 West Peachtree Street
Suite 3500

City: Atlanta, State: GA Zip: 30309

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41).....\$40.00

☒ Enclosed

☐ Authorized to be charged to deposit account

8. Please debit any deficiencies or credit any overpayments to

Deposit account number 09-0528

(Attach duplicate copy of this page if paying by deposit account)

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

David J. Hayzer, Ph.D., J.D.

Reg. #43,329

Signature

5/3/2004

Date

Total number of pages including cover sheet, attachments, and document: - 3 -



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Patent No.: 7,223,583 B2

Attorney Docket No. 14507-47022

Issued Date: May 29, 2007

Inventor(s): Andras Gruber, Stephen R. Hanson, and Enrico De Cera

Title: Antithrombotic Thrombin Variants

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By: 

Name: Tim Tingkang Xia

TRANSMITTAL

Mail Stop: Petitions
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

June 14, 2007


CUSTOMER NO. 24728

Sir:

We are transmitting herewith the attached:

- ☒ Transmittal Sheet containing Certificate of Facsimile (1 page)
- ☒ Request for Correction of Assignee Information on an Issued Patent under 37 C.F.R. § 3.81(b) and Certificate of Correction Under 37 C.F.R. § 1.323 (3 pages)
- ☒ Certificate of Correction PTO/SB/44 (1 pages)
- ☒ Credit Card Authorization Form PTO-2038 in the Amount of \$130.00 for Petition Fee and \$100 for Certificate of Correction Fee (1 page)
- ☒ Authorization to charge any fee deficiencies and/or credit any overpayments to Deposit Account (1 page)
- ☒ Copy of Notice of Recordation of Assignment Document (6 pages)

MORRIS, MANNING & MARTIN, LLP
1600 Atlanta Financial Center
3343 Peachtree Road NE
Atlanta, Georgia 30326
404.495.3678
Customer No. 24728

By: 
Name: Tim Tingkang Xia
Reg. No.: 45,242
TX